



**Description:** H07RN-F, enhanced version 1 X 240\_

**Lapp code:** Lapp 4533014

The **Test voltage** of the cable Lapp 4533014 is 2500 V AC.

## Application range

- Medium, mechanical stress and industrial and agricultural use as well as for handheld and power supply devices (H07RN-F according to HD 516/ VDE 0298-300)
- Drip loop torsion between the nacelle and the tower of wind turbine generators/ windmills down to -40 °C cable/ ambient temperature with 2,000 cycles and the angle of +/-150 °/m at 1 revolution per minute (=TW-2) - please see catalogue appendix T0 for further information
- Long-time water submersion (AD8) down to 100 m without interruption (no drinking water, minimum water temperature of +5 °C, standing water only, no areas with boat/ ship/ submarine traffic)
- Outdoors acc. HD 516
- For buildings or industrial plants with a high density of people or valuable assets

## Product Make-up

- Conductor made of bare, finely stranded copper strands acc. conductor class 5 in line with IEC 60228
- Core insulation of special rubber
- Outer sheath: special rubber compound
- Further dimensions from 1 mm<sup>2</sup> existent in the material master or on request

In our Cable list on next page you can find all interesting information acc. article Lapp 4533014 and much more.

## CABLE LIST - all informations you need you can find here

| Product Name                       | Lapp Nr.     | Number of cores and mm <sup>2</sup> per conductor | Outer diameter (mm) | Copper index (kg/km) | Weight (kg/km) |
|------------------------------------|--------------|---|---------------------|----------------------|----------------|
| H07RN-F, enhanced version 2 X 1,0  | Lapp 4533019 | 2 X 1,0   | 10,0                | 19,2                 | 100            |
| H07RN-F, enhanced version 3 G 1,0  | Lapp 4533027 | 3 G 1,0   | 10,7                | 28,8                 | 140            |
| H07RN-F, enhanced version 3 X 1,0  | Lapp 4533028 | 3 X 1,0   | 10,7                | 28,8                 | 140            |
| H07RN-F, enhanced version 4 G 1,0  | Lapp 4533061 | 4 G 1,0   | 11,9                | 38,4                 | 160            |
| H07RN-F, enhanced version 4 X 1,0  | Lapp 4533062 | 4 X 1,0   | 11,9                | 38,4                 | 160            |
| H07RN-F, enhanced version 5 G 1,0  | Lapp 4533091 | 5 G 1,0   | 13,1                | 48,0                 | 200            |
| H07RN-F, enhanced version 5 X 1,0  | Lapp 4533092 | 5 X 1,0   | 13,1                | 48,0                 | 200            |
| H07RN-F, enhanced version 1 X 1,5  | Lapp 4533000 | 1 X 1,5   | 7,1                 | 14,4                 | 55             |
| H07RN-F, enhanced version 2 X 1,5  | Lapp 4533020 | 2 X 1,5   | 11,0                | 28,8                 | 125            |
| H07RN-F, enhanced version 3 G 1,5  | Lapp 4533029 | 3 G 1,5   | 11,9                | 43,2                 | 172            |
| H07RN-F, enhanced version 3 X 1,5  | Lapp 4533030 | 3 X 1,5   | 11,9                | 43,2                 | 172            |
| H07RN-F, enhanced version 4 G 1,5  | Lapp 4533063 | 4 G 1,5   | 13,1                | 57,6                 | 200            |
| H07RN-F, enhanced version 4 X 1,5  | Lapp 4533064 | 4 X 1,5   | 13,1                | 57,6                 | 200            |
| H07RN-F, enhanced version 5 G 1,5  | Lapp 4533093 | 5 G 1,5   | 14,4                | 72,0                 | 250            |
| H07RN-F, enhanced version 5 X 1,5  | Lapp 4533094 | 5 X 1,5   | 14,4                | 72,0                 | 250            |
| H07RN-F, enhanced version 7 G 1,5  | Lapp 4533111 | 7 G 1,5   | 15,7                | 100,8                | 430            |
| H07RN-F, enhanced version 7 X 1,5  | Lapp 4533112 | 7 X 1,5   | 15,7                | 100,8                | 430            |
| H07RN-F, enhanced version 12 G 1,5 | Lapp 4533113 | 12 G 1,5  | 18,9                | 172,8                | 620            |
| H07RN-F, enhanced version 12 X 1,5 | Lapp 4533114 | 12 X 1,5  | 18,9                | 172,8                | 620            |
| H07RN-F, enhanced version 1 X 2,5  | Lapp 4533001 | 1 X 2,5   | 7,9                 | 24,0                 | 72             |
| H07RN-F, enhanced version 2 X 2,5  | Lapp 4533021 | 2 X 2,5   | 13,1                | 48,0                 | 173            |
| H07RN-F, enhanced version 3 G 2,5  | Lapp 4533031 | 3 G 2,5   | 14,0                | 72,0                 | 225            |
| H07RN-F, enhanced version 3 X 2,5  | Lapp 4533032 | 3 X 2,5   | 14,0                | 72,0                 | 225            |
| H07RN-F, enhanced version 4 G 2,5  | Lapp 4533065 | 4 G 2,5   | 15,5                | 96,0                 | 285            |
| H07RN-F, enhanced version 4 X 2,5  | Lapp 4533066 | 4 X 2,5   | 15,5                | 96,0                 | 285            |

**H07RN-F, enhanced version 1 X 240\_**

Lapp 4533014



| Product Name                       | Lapp Nr.     | Number of cores and mm <sup>2</sup> per conductor | Outer diameter (mm) | Copper index (kg/km) | Weight (kg/km) |
|------------------------------------|--------------|---|---------------------|----------------------|----------------|
| H07RN-F, enhanced version 5 G 2,5  | Lapp 4533095 | 5 G 2,5   | 17.0                | 120.0                | 345            |
| H07RN-F, enhanced version 5 X 2,5  | Lapp 4533096 | 5 X 2,5   | 17.0                | 120.0                | 345            |
| H07RN-F, enhanced version 12 G 2,5 | Lapp 4533115 | 12 G 2,5  | 21,8                | 288.0                | 850            |
| H07RN-F, enhanced version 12 X 2,5 | Lapp 4533116 | 12 X 2,5  | 21,8                | 288.0                | 850            |
| H07RN-F, enhanced version 1 X 4    | Lapp 4533002 | 1 X 4   | 9.0                 | 38.4                 | 98             |
| H07RN-F, enhanced version 2 X 4    | Lapp 4533022 | 2 X 4   | 15,1                | 76.8                 | 239            |
| H07RN-F, enhanced version 3 G 4    | Lapp 4533033 | 3 G 4   | 16,2                | 115.2                | 325            |
| H07RN-F, enhanced version 3 X 4    | Lapp 4533034 | 3 X 4   | 16,2                | 115.2                | 325            |
| H07RN-F, enhanced version 4 G 4    | Lapp 4533067 | 4 G 4   | 17,9                | 153.6                | 395            |
| H07RN-F, enhanced version 4 X 4    | Lapp 4533068 | 4 X 4   | 17,9                | 153.6                | 395            |
| H07RN-F, enhanced version 5 G 4    | Lapp 4533097 | 5 G 4   | 19,9                | 192.0                | 485            |
| H07RN-F, enhanced version 5 X 4    | Lapp 4533098 | 5 X 4   | 19,9                | 192.0                | 485            |
| H07RN-F, enhanced version 1 X 6    | Lapp 4533003 | 1 X 6   | 9,8                 | 57.6                 | 127            |
| H07RN-F, enhanced version 2 X 6    | Lapp 4533023 | 2 X 6   | 16,8                | 115.2                | 330            |
| H07RN-F, enhanced version 3 G 6    | Lapp 4533035 | 3 G 6   | 18.0                | 172.8                | 415            |
| H07RN-F, enhanced version 3 X 6    | Lapp 4533036 | 3 X 6   | 18.0                | 172.8                | 415            |
| H07RN-F, enhanced version 4 G 6    | Lapp 4533069 | 4 G 6   | 20.0                | 230.4                | 535            |
| H07RN-F, enhanced version 4 X 6    | Lapp 4533070 | 4 X 6   | 20.0                | 230.4                | 535            |
| H07RN-F, enhanced version 5 G 6    | Lapp 4533099 | 5 G 6   | 22,2                | 288.0                | 648            |
| H07RN-F, enhanced version 5 X 6    | Lapp 4533100 | 5 X 6   | 22,2                | 288.0                | 648            |
| H07RN-F, enhanced version 1 X 10   | Lapp 4533004 | 1 X 10  | 11,9                | 96.0                 | 192            |
| H07RN-F, enhanced version 2 X 10   | Lapp 4533024 | 2 X 10  | 22,6                | 192.0                | 590            |
| H07RN-F, enhanced version 3 G 10   | Lapp 4533037 | 3 G 10  | 24,2                | 288.0                | 712            |
| H07RN-F, enhanced version 3 X 10   | Lapp 4533038 | 3 X 10  | 24,2                | 288.0                | 712            |
| H07RN-F, enhanced version 4 G 10   | Lapp 4533071 | 4 G 10  | 26,5                | 384.0                | 920            |
| H07RN-F, enhanced version 4 X 10   | Lapp 4533072 | 4 X 10  | 26,5                | 384.0                | 920            |

**H07RN-F, enhanced version 1 X 240\_**

Lapp 4533014



| Product Name                     | Lapp Nr.     | Number of cores and mm <sup>2</sup> per conductor | Outer diameter (mm) | Copper index (kg/km) | Weight (kg/km) |
|----------------------------------|--------------|---|---------------------|----------------------|----------------|
| H07RN-F, enhanced version 1 X 16 | Lapp 4533005 | 1 X 16  | 13,4                | 153.6                | 262            |
| H07RN-F, enhanced version 3 G 16 | Lapp 4533039 | 3 G 16  | 27,6                | 460.8                | 990            |
| H07RN-F, enhanced version 3 X 16 | Lapp 4533040 | 3 X 16  | 27,6                | 460.8                | 990            |
| H07RN-F, enhanced version 4 G 16 | Lapp 4533073 | 4 G 16  | 30,1                | 614.4                | 1290           |
| H07RN-F, enhanced version 4 X 16 | Lapp 4533074 | 4 X 16  | 30,1                | 614.4                | 1290           |
| H07RN-F, enhanced version 1 X 25 | Lapp 4533006 | 1 X 25  | 15,8                | 240.0                | 375            |
| H07RN-F, enhanced version 3 G 25 | Lapp 4533041 | 3 G 25  | 33.0                | 720.0                | 1395           |
| H07RN-F, enhanced version 3 X 25 | Lapp 4533042 | 3 X 25  | 33.0                | 720.0                | 1395           |
| H07RN-F, enhanced version 4 G 25 | Lapp 4533075 | 4 G 25  | 36,6                | 960.0                | 1930           |
| H07RN-F, enhanced version 4 X 25 | Lapp 4533076 | 4 X 25  | 36,6                | 960.0                | 1930           |
| H07RN-F, enhanced version 5 G 25 | Lapp 4533101 | 5 G 25  | 32,7                | 1200.0               | 2500           |
| H07RN-F, enhanced version 5 X 25 | Lapp 4533102 | 5 X 25  | 32,7                | 1200.0               | 2500           |
| H07RN-F, enhanced version 1 X 35 | Lapp 4533007 | 1 X 35  | 17,9                | 336.0                | 493            |
| H07RN-F, enhanced version 3 G 35 | Lapp 4533043 | 3 G 35  | 37,1                | 1008.0               | 1815           |
| H07RN-F, enhanced version 3 X 35 | Lapp 4533044 | 3 X 35  | 37,1                | 1008.0               | 1815           |
| H07RN-F, enhanced version 4 G 35 | Lapp 4533077 | 4 G 35  | 41,1                | 1344.0               | 2470           |
| H07RN-F, enhanced version 4 X 35 | Lapp 4533078 | 4 X 35  | 41,1                | 1344.0               | 2470           |
| H07RN-F, enhanced version 5 G 35 | Lapp 4533103 | 5 G 35  | 36,4                | 1680.0               | 3250           |
| H07RN-F, enhanced version 5 X 35 | Lapp 4533104 | 5 X 35  | 36,4                | 1680.0               | 3250           |
| H07RN-F, enhanced version 1 X 50 | Lapp 4533008 | 1 X 50  | 20,6                | 480.0                | 675            |
| H07RN-F, enhanced version 3 G 50 | Lapp 4533045 | 3 G 50  | 42,9                | 1440.0               | 2470           |
| H07RN-F, enhanced version 3 X 50 | Lapp 4533046 | 3 X 50  | 42,9                | 1440.0               | 2470           |
| H07RN-F, enhanced version 4 G 50 | Lapp 4533079 | 4 G 50  | 47,5                | 1920.0               | 3320           |
| H07RN-F, enhanced version 4 X 50 | Lapp 4533080 | 4 X 50  | 47,5                | 1920.0               | 3320           |
| H07RN-F, enhanced version 5 G 50 | Lapp 4533105 | 5 G 50  | 42,2                | 2400.0               | 4408           |
| H07RN-F, enhanced version 5 X 50 | Lapp 4533106 | 5 X 50  | 42,2                | 2400.0               | 4408           |

**H07RN-F, enhanced version 1 X 240\_****Lapp 4533014**

| Product Name                      | Lapp Nr.     | Number of cores and mm <sup>2</sup> per conductor | Outer diameter (mm) | Copper index (kg/km) | Weight (kg/km) |
|-----------------------------------|--------------|---|---------------------|----------------------|----------------|
| H07RN-F, enhanced version 1 X 70  | Lapp 4533009 | 1 X 70  | 23,3                | 672.0                | 914            |
| H07RN-F, enhanced version 4 G 70  | Lapp 4533081 | 4 G 70  | 54.0                | 2688.0               | 4420           |
| H07RN-F, enhanced version 4 X 70  | Lapp 4533082 | 4 X 70  | 54.0                | 2688.0               | 4420           |
| H07RN-F, enhanced version 5 G 70  | Lapp 4533107 | 5 G 70  | 48,1                | 3360.0               | 5863           |
| H07RN-F, enhanced version 5 X 70  | Lapp 4533108 | 5 X 70  | 48,1                | 3360.0               | 5863           |
| H07RN-F, enhanced version 1 X 95  | Lapp 4533010 | 1 X 95  | 26.0                | 912.0                | 1200           |
| H07RN-F, enhanced version 4 G 95  | Lapp 4533083 | 4 G 95  | 61.0                | 3648.0               | 5750           |
| H07RN-F, enhanced version 4 X 95  | Lapp 4533084 | 4 X 95  | 61.0                | 3648.0               | 5750           |
| H07RN-F, enhanced version 5 G 95  | Lapp 4533109 | 5 G 95  | 54,5                | 4560.0               | 7537           |
| H07RN-F, enhanced version 5 X 95  | Lapp 4533110 | 5 X 95  | 54,5                | 4560.0               | 7537           |
| H07RN-F, enhanced version 1 X 120 | Lapp 4533011 | 1 X 120   | 28,6                | 1152.0               | 1481           |
| H07RN-F, enhanced version 4 G 120 | Lapp 4533085 | 4 G 120   | 66.0                | 4608.0               | 6990           |
| H07RN-F, enhanced version 4 X 120 | Lapp 4533086 | 4 X 120   | 66.0                | 4608.0               | 6990           |
| H07RN-F, enhanced version 1 X 150 | Lapp 4533012 | 1 X 150   | 31,4                | 1440.0               | 1833           |
| H07RN-F, enhanced version 4 G 150 | Lapp 4533087 | 4 G 150   | 73.0                | 5760.0               | 8650           |
| H07RN-F, enhanced version 4 X 150 | Lapp 4533088 | 4 X 150   | 73.0                | 5760.0               | 8650           |
| H07RN-F, enhanced version 1 X 185 | Lapp 4533013 | 1 X 185   | 34,4                | 1776.0               | 2190           |
| H07RN-F, enhanced version 4 G 185 | Lapp 4533089 | 4 G 185   | 80.0                | 7104.0               | 9785           |
| H07RN-F, enhanced version 4 X 185 | Lapp 4533090 | 4 X 185   | 80.0                | 7104.0               | 9785           |
| H07RN-F, enhanced version 1 X 240 | Lapp 4533014 | 1 X 240   | 38,3                | 2304.0               | 2780           |
| H07RN-F, enhanced version 1 X 300 | Lapp 4533015 | 1 X 300   | 38,7                | 2880.0               | 3310           |
| H07RN-F, enhanced version 1 X 400 | Lapp 4533016 | 1 X 400   | 40.0                | 3840.0               | 4320           |
| H07RN-F, enhanced version 1 X 500 | Lapp 4533017 | 1 X 500   | 43.0                | 4800.0               | 5342           |